Appl. No.: 10/021,726
Amendment Dated April 3, 2006
Reply to Office Action of January 9, 2006

REMARKS/ARGUMENTS

Independent Claims 1 and 4 have been amended to more clearly define the present invention and distinguish over the cited prior art. In particular, the claims now specify that it is the wireless signal receiving apparatus that compares data values and determines whether a data frame is lost. These amendments are supported by the disclosure at pages 11-12 and 13-14 of the specification and Fig. 6(a) and 6(b) of the drawings, and do not contain any new matter.

In view of the foregoing amendments and the following remarks, reconsideration of the present patent application is respectfully requested.

Claims 1, 4, 6-16, 20-30 stand rejected under 35 U.S.C. § 102 (e) as being anticipated by the Brailean patent (U.S. Patent 6,134,237). This reference is also relied upon as a primary reference in rejecting certain of the dependent claims under 35 U.S.C. 103. After carefully reviewing the Brailean patent that has been cited and applied in the rejection of all Claims, the Applicant respectfully submits that the Brailean patent does not render the present application unpatentable.

The Brailean patent (U.S. Patent 6,134,237) discloses a method and apparatus for tracking data packets in a packet data communication system that includes a sending communication device and a receiving communication device, i.e. a transmitting end and a receiving end. The transmitting end could transmit a data packet with a respective packet sequence number N(S) to the receiving end and increases a transmit tracking number V(S) to indicate the packet sequence number of the data packet that is next in sequence to be transmitted in light of such transmission. Upon receiving the data packet, the receiving end could transmit an acknowledgment data packet with a receive tracking number N(R) to the transmitting end, and the receive tracking number N(R) is used to indicate the packet sequence number of the data packet that the receiving device expects to receive next. Upon receiving the receive tracking number N(R), the transmitting end determines whether a communication error occurred based on the receive tracking number N(R) and the transmit tracking number V(S).

However, the process for determining whether a data frame from a transmitting end to a receiving end is lost as disclosed in the present application is implemented in the receiving end, i.e. the wireless signal receiving apparatus, as recited in amended independent Claims 1 and 2

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and in independent Claims 6 and 20, in contrast with the transmitting end in the Brailean patent.
The transmitting end, i.e. the wireless input apparatus merely provide a data frame with a data
sequence identification field which contains a first data value representing a sequence number
of the data frame. Further, the receiving end could record a second data value representing the
sequence number of the data frame next to the last data frame the wireless receiving end has
received. Thus, while the receiving end receives the data frame from the transmitting end, the
receiving end would compare the first data value with the second value to determine whether
the received data frame is a succession of the last data frame the receiving end has received and
further remind the user of the lost data frame by generating alarm signal or sending
retransmission request signal to request the transmitting end to retransmit the lost data frame.

In other words, the receiving end of the Brailean patent must reply the acknowledgment
data packet to the transmitting end and attach a receive tracking number N(R) thereto, and the
transmitting end would perform the process for determining the communication error after
receiving the acknowledgment data packet. Therefore, the time for detecting the
communication error would be increased due to such multiple transmissions between the
transmitting end and the receiving end. As we know, this acknowledgment data packet could
equally be lost in the wireless communication process, so that the determining process disclosed
in the Brailean patent would fail.

Nevertheless, the receiving end disclosed in the present application could determine any
data loss directly without replying any data packet or data signal to the transmitting end,
whereby the wireless communication system could provide a more simple and quick
communication environment.

Hence, since there exist fundamental differences between the invention as defined in the
claims and the cited prior art. As such, the invention claimed in present application can not be
considered as lacking novelty over the cited prior art as the rejection indicates. Based on the
above comparisons, it should be apparent that the present invention is clearly distinguishable
from the Brailean patent. Furthermore, because the approach used in the Brailean patent is so
fundamentally different from the approach used in the present invention, the presently claimed
invention would not be obvious from the cited prior art either.

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Since independent Claims 1, 4, 6 and 20 are patentable for the reasons given above, Applicant respectfully submits that the dependent claims are also patentable owing to their dependency from the parent claims.

In conclusion, the Applicant respectfully submits that no reference cited by the Examiner, renders the present application unpatentable under 35 U.S.C. 102 or 103. Furthermore, no cited reference is in the field of applicant's endeavor or reasonably pertinent to the particular problems with which the inventor attempted to cope. That is to say, the cited references do not teach how to solve the problems which the present application tries to overcome. The present application is patentable over the cited reference, and reconsideration and allowance of the present patent application are earnestly solicited at an early date.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,
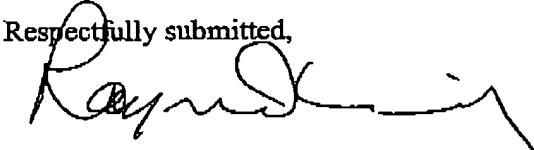
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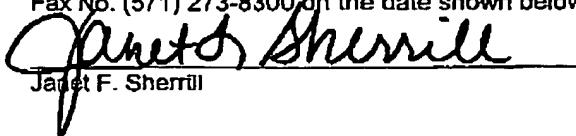
Janet F. Sherrill

April 3, 2006
Date